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# **Conserving South Carolina's At-Risk Species:**

# Species facing threats to their survival

# Little brown bat

(Myotis lucifugus)



Little brown bat/Photo credit: USFWS

## **Description**

sized bat weighing 0.2 to 0.5 ounces and Priority species in the South Carolina tion easements, lease agreements, or purhas a wingspan of 9 to 11 inches. The fur 2015 State Wildlife Action Plan. of the little brown bat is dark brown to U.S. Fish and Wildlife Service (Service) is use, especially around known foraging cinnamon-buff with long glossy tips on the currently conducting a discretionary re- areas and maternity roosts. Continue to back and pale gray to buffy on the under- view of the species. The ears and membranes of the wing and tail are dark brown to black. A Threats especially during the winter.

### Range

and lower Coastal Plain regions. It is un-suitable.

known where most of South Carolina's Management/Protection Needs summer populations overwinter.

### Habitat

tat use and home range in South Carolina. colonies and hibernacula.

The little brown bat is ranked by Nature- variety of suitable roosting and maternity Serve as Globally Vulnerable—G3. In sites. Forestry practices should incorpo-South Carolina, the little brown bat is rate buffers around known roosts, foragconsidered rare to locally common in scat- ing areas, and migration corridors via The little brown bat is a small to medium tered colonies, and is listed as a Highest landowner incentive programs, conserva-

similar species, the northern long-eared Primary threats to this species are from minimize impacts to bats. Continue with bat (Myotis septentrionalis), has longer ears white-nose syndrome (WNS) which is education and outreach efforts on the spethan the little brown bat and does not estimated to have killed at least one mil- cies. have long hairs on the feet. Female little lion little brown bats from 2006 to 2010. brown bats are slightly larger than males, The core region where much of the global References population of little brown bats occur is NatureServe. 2018. NatureServe Explornow infected with WNS. Population de- er: An online encyclopedia of life [web clines have also been attributed to pesti- application]. Version 7.1. NatureServe, Little brown bats are widely distributed cides, the loss of roost sites in snags due to Arlington, Virginia. Available http:// from central Alaska and southern Canada deforestation, control measures in nursery explorer.natureserve.org. into the southeastern and southwestern colonies, collecting bats for experimenta-United States. The southern limit of the tion, and disturbance of individuals during South Carolina Department of Natural species is in northern portions of South hibernation. Mass dieoffs at hibernacula Resources - South Carolina Bat Conserva-Carolina, down into Georgia, Alabama, not related to WNS have been associated tion Plan: January 2017 and Mississippi. In South Carolina during with vandalism and natural disasters such the summer, little brown bats are found as floods. Wind energy is another poten- Contact primarily in the Blue Ridge mountains, tial threat to little brown bats. Global U.S. Fish & Wildlife Service though there have also been a few con-climate change is a potential threat as it South Carolina Field Office firmed reports in the Piedmont, Sandhills may make southern hibernation sites un- 843/727-4707

State law protects all bat species in South Carolina so extermination is not an acceptable form of bat control. The South Little brown bats are habitat generalists, Carolina Department of Natural Reusing most cover types available to them sources' Bat Conservation Plan should be in a variety of ecosystems. Much of their consulted for alternatives. Habitat proforaging activity is associated with aquatic tection and management recommendahabitats so lakes and streams seem to play tions include working to prevent or rea significant factor in habitat use. Howev- duce disturbance to natural and artificial er, not much is known about specific habi- roost structures, as well as to maternity when possible, create or maintain patches of structurally diverse forest, providing a The chases. Minimize large-scale pesticide survey and monitor for the species. Further research is also needed to identify the best placement of wind turbines so as to

morgan\_wolf@fws.gov